

**TAB 14: USDA SCIENCE AND TECHNOLOGY COLLABORATION WITH
CHINA 2002 - 2003**

**USDA SCIENCE
AND TECHNOLOGY
COLLABORATION
WITH CHINA
2002-2003**

**Submitted by Carol Kramer-LeBlanc
Director
International Cooperation and Development
Research and Scientific Exchanges Division**

USDA - ICD

Program Title Properties and Impact of Land-Use Management on Agricultural Soils in Guangdong Province, Peoples's Republic of China **Year** 2002

Participating US Agencies - U.S. Department of Agriculture

Participating PRC Agencies – People's Republic of China

Does project falls under the 1979 S&T Agreement with China? Yes X No _____

Brief Description of Activity:

Cropping systems in Hawaii, Puerto Rico, and the southern United States will benefit from joint research with USDA's Natural Resources Conservation Service in Nebraska and the South China Agriculture University. Soils and crop production information will enhance our understanding of tropical soils and the impact of land use.

Objectives/Results of Activity:

The activity consists of a long-term research with a provision for short-term visits between the U.S. and China.

Transfer of technology or exchange of information? Yes X No _____

If yes, please describe technology or information that was transferred:

The activity consists of the mutual development of information and technologies under the long-term research.

List Participants below (if more than 7 participants, please use attached name list sheet):

Michael A. Wilson, USDA Natural Resources Conservation Service, Lincoln, NE

Xinming Zhang, South China Agricultural University

Nationality: US

Contact Phone #: (402) 437-4134

Visited the U.S.:

Total Expenditure \$ 29,000

Results of Project:

Initiate joint research..

Follow-on activities planned? Yes X No _____

If yes, please describe activity up to 2010 if available.

Follow-on activity will continue under a 3-year project initiated under the SCRIP program.

Program Title Molecular Genetics of Resistance Mechanisms to Aflatoxin Formation in Chinese Peanut and Introgression into U.S. Elite Cultivars Year 2002
Participating US Agencies - U.S. Department of Agriculture

Participating PRC Agencies – People’s Republic of China

Does project falls under the 1979 S&T Agreement with China? Yes X No _____

Brief Description of Activity:

Aflatoxin contamination in peanuts is a severe food safety problem worldwide that also limits trade. USDA scientists in Georgia will collaborate with two primary research laboratories in China that have made excellent progress in identifying factors offering resistance to aflatoxin contamination in peanuts. Researchers will use biotechnology to improve aflatoxin resistance in U.S. peanuts and to promote prevention and food safety in China and other Southeast Asian countries.

Objectives/Results of Activity:

The activity consists of a long-term research with a provision for short-term visits between the U.S. and China.

Transfer of technology or exchange of information? Yes X No _____

If yes, please describe technology or information that was transferred:

The activity consists of the mutual development of information and technologies under the long-term research.

List Participants below (if more than 7 participants, please use attached name list sheet):

Baozhu Guo, Robert Lynch, and C. Corley Holbrook, USDA Agricultural Research Service, GA

Xuan Qiang Liang, Guangdong Academy of Agricultural Sciences

Boshou Liao, Chinese Academy of Agricultural Sciences

Nationality: US

Contact Phone #: (229) 387-2375/2334

Total Expenditure \$ 45,000

Results of Project:

Initiate joint research..

Follow-on activities planned? Yes X No _____

If yes, please describe activity up to 2010 if available.

Follow-on activity will continue under a 3-year project initiated under the SCRP program.

Program Title Antimicrobial Resistance of Campylobacter spp. from Retail Chickens

Year 2002

Participating US Agencies - U.S. Department of Agriculture

Participating PRC Agencies – People’s Republic of China

Does project falls under the 1979 S&T Agreement with China? Yes X No _____

Brief Description of Activity:

Campylobacter is a common cause of bacterial food-borne illness worldwide. As farmers, fish-farmers and livestock producers have increased their use of antimicrobials, bacteria such as Campylobacter have developed resistance. The University of Maryland and scientists in China will conduct urgently needed research to determine the potential role of antimicrobials used in animal production environments on emergence and spread of resistant bacteria in both veterinary and human medicine. Researchers will examine and characterize antimicrobial resistance of Campylobacter isolated from retail meat products in China.

Objectives/Results of Activity:

The activity consists of a long-term research with a provision for short-term visits between the U.S. and China.

Transfer of technology or exchange of information? Yes X No _____

If yes, please describe technology or information that was transferred:

The activity consists of the mutual development of information and technologies under the long-term research.

List Participants below (if more than 7 participants, please use attached name list sheet):

Jianghong Meng, University of Maryland

Lu Ran, Institute of Food Inspection & Safety, Ministry of Health

Nationality: US

Visited the U.S.:

Total Expenditure \$ 45,000

Results of Project:

Initiate joint research..

Follow-on activities planned? Yes X No _____

If yes, please describe activity up to 2010 if available.

Follow-on activity will continue under a 5-year project initiated under the SCRP program.

Program Title Crop Sensor-Based Nitrogen Management to Protect Water Quality

Year 2003

Participating US Agencies - U.S. Department of Agriculture

Participating PRC Agencies – People’s Republic of China

Does project falls under the 1979 S&T Agreement with China? Yes X No _____

Brief Description of Activity:

U.S. and Chinese scientists will conduct joint research to advance practical application of the emerging science of remote sensing, using crop sensors in the field to help reduce nitrogen losses in the soil that could contaminate water resources. Crop canopy sensors on high clearance sprayers provide real-time, ground based information as images for producers to make timely management decisions for more effective application of nitrogen in the field. This unique study will compare the use of crop sensors in a diverse set of cropping systems: intensive double-cropping of corn and wheat in China, corn and soybeans rotations in Nebraska, and continuous wheat production in Oklahoma.

Objectives/Results of Activity:

The activity consists of a long-term research with a provision for short-term visits between the U.S. and China.

Transfer of technology or exchange of information? Yes X No _____

If yes, please describe technology or information that was transferred:

The activity consists of the mutual development of information and technologies under the long-term research.

List Participants below (if more than 7 participants, please use attached name list sheet):

James S. Schepers, USDA ARS and University of Nebraska

Chunsheng Hu, Shjizhuang Institute of Agricultural Modernization,
Chinese Academy of Sciences, Hebei Province, China

Nationality: US

Contact Phone #: (402) 472-1513

Total Expenditure \$ 38,000

Results of Project:

Initiate joint research.

Follow-on activities planned? Yes X No _____

Follow-on activity will continue under a 3-year project initiated under the SCRP program.

Program Title Scientific and Organizational Coordination for U.S.-China Joint Centers on Natural Resources Management Year 2003
Participating US Agencies - U.S. Department of Agriculture

Participating PRC Agencies – People’s Republic of China

Does project falls under the 1979 S&T Agreement with China? Yes X No _____

Brief Description of Activity:

The activity will establish a sustainable long-term U.S.-China research and development cooperation in the area of natural resource management. Planning has been on-going since autumn 2000 for the establishment of two joint Centers of Excellence – thre first on Soil and Water Conservation and Environmental Protection; and the second on Grazingland Ecosystem Restoration. The activity seeks to support for the U.S. Director from both Centers to meet with their Chinese counterparts in order to coordinate the work.

Objectives/Results of Activity:

The activity consists of a long-term research with a provision for short-term visits between the U.S. and China.

Transfer of technology or exchange of information? Yes X No _____

If yes, please describe technology or information that was transferred:

The activity consists of the mutual development of information and technologies under the long-term research.

List Participants below (if more than 7 participants, please use attached name list sheet):

Martha Mummy, USDA Agricultural Research Service, Beltsville, Maryland

Wei Zhiqi, Ministry of Science and Technology, Division of America and Oceania

Nationality: US

Contact Phone #: 301-504-4546

Total Expenditure \$ 38,000

Results of Project:

Initiate joint research.

Follow-on activities planned? Yes X No _____

If yes, please describe activity up to 2010 if available.

Follow-on activity will continue under a 3-year project initiated under the SCRP program.

Program Title Team 1-Study on U.S. Farm Management Systems **Year** 2003

Participating US Agencies - U.S. Department of Agriculture

Participating PRC Agencies – People’s Republic of China

Does project falls under the 1979 S&T Agreement with China? Yes X No _____

Brief Description of Activity:

The activity consists of a short-term exchange visit between the U.S. and China.

Objectives/Results of Activity:

1. U.S. farm management systems and the institutional setup and functions;
2. History and evolution of institutional setup and functions in U.S. government for the support of the West Development; and
3. Experience that China’s land reclamation management organizations can draw on.

Transfer of technology or exchange of information? Yes X No _____

If yes, please describe technology or information that was transferred:

The activity consists of an exchange of information under a short-term exchange.

List Participants below (if more than 7 participants, please use attached name list sheet):

Mr. Zhu XiuYan, Chief Economist, General Director
Ministry of Agriculture

Mr. Lin Jianming, Deputy Division Director
Department of State
Farms and Land Reclamation
Ministry of Agriculture

Mr. Feng Yong, Division Director
Department of Personnel and Labor
Ministry of Agriculture

Mr. Wang Qiang, Deputy General Director
State Committee of Development and Reform

Mr. Peng Jianliang, Deputy General Director
China Economic Development
Center for Sate Farms and Land Reclamation
Ministry of Agriculture

Mr. Liu Yingjie, Deputy Division Director
Center for Human Resources Development
Ministry of Agriculture

Nationality: PRC

Contact Phone #: Tel: 8610-6419-2446

Visited the U.S.: **Yes**

Total Expenditure \$ 20,000

Results of Project:

Establish counterparts, exchanges information and data and look for areas of future collaboration.

Follow-on activities planned? Yes _____ No X

If yes, please describe activity up to 2010 if available.

Follow-on activity planned by participants with counterparts within the United States.

Program Title Team 1- Inspection and Control on Wheat TCK **Year** 2002
Participating US Agencies - U.S. Department of Agriculture

Participating PRC Agencies – People’s Republic of China

Does project falls under the 1979 S&T Agreement with China? Yes X No _____

Brief Description of Activity:

The activity consists of a short-term exchange visit between the U.S. and China.

Objectives/Results of Activity:

1. Study of the TCK spread and inspection techniques;
2. Study of the biology and epidemiology of TCK;
3. Study of the TCK control techniques;
4. Study of the breeding of anti-resistant wheat varieties.

Transfer of technology or exchange of information? Yes X No _____

If yes, please describe technology or information that was transferred:

The activity consists of an exchange of information under a short-term exchange.

List Participants below (if more than 7 participants, please use attached name list sheet):

Wang Chunlin, Director and Senior Agronomist
Division of Plant Quarantine, National Agro-technical Extension and Service Center, Ministry of Agriculture, P.R.C.

Chen Youquan, Director, Division of Seed and Plant Quarantine
Department of Crop Production, Ministry of Agriculture, P.R.C.

Wang Zhongkang, Professor
College of Bioengineering, Chongqing University.

Peng Huaxian, Associate Professor, Plant Protection Research Institute
Academy of Agricultural Science, Sichuan Province, China.

Zhou Yilin, Associate professor, Plant Protection Research Institute
Chinese Academy of Agricultural Science

Nationality: PRC

Contact Phone #: Tel: 8610-6419-2446

Visited the U.S.: Yes

Total Expenditure \$18,000

Results of Project:

Establish counterparts, exchanges information and data and look for areas of future collaboration.

Follow-on activities planned? Yes _____ No X

If yes, please describe activity up to 2010 if available.

Follow-on activity planned by participants with counterparts within the United States.

Program Title Team 2- Safety of Agricultural Products
Participating US Agencies - U.S. Department of Agriculture

Year 2002

Participating PRC Agencies – People’s Republic of China

Does project falls under the 1979 S&T Agreement with China? Yes X No _____

Brief Description of Activity:

The activity consists of a short-term exchange visit between the U.S. and China.

Objectives/Results of Activity:

To strengthen communication and understanding in the field of agricultural science and trade between PRC and USA, specially in surveying the full control system on agricultural products quality safety and it’s construction, new technology application in agricultural products safety, supervision and promotion from the Government, we would enhance agricultural products quality safety in Jiangsu province, train the managerial and technical personnel in this field, expedite the construction of agricultural products quality safety system, be joined with the International standard.

Transfer of technology or exchange of information? Yes X No _____

If yes, please describe technology or information that was transferred:

The activity consists of an exchange of information under a short-term exchange.

List Participants below (if more than 7 participants, please use attached name list sheet):

Dong Hongyan, Deputy Division Director, Department of Market information, Ministry of Agriculture

Wei Zhenglin, American Program Official, Department of International Cooperation, MOA

Wang Weifeng, Director, Provincial Station of Livestock and Veterinary, Jiangsu province

Sun Daming, Director, Testing and Inspection Center of Animal Products, Yancheng City, Jiangsu province

Wang Quansong, Director, Veterinary and Sanitary Station, Agriculture and Forestry Bureau, Wujiang county, Jiangsu province

Liao Zhishun, Interpreter, Suzhou Agricultural Vocational Technology Institute, Jiangsu province

Nationality: PRC

Contact Phone #: Tel: 8610-6419-2446

Visited the U.S.: Yes

Total Expenditure \$18,000

Results of Project:

Establish counterparts, exchanges information and data and look for areas of future collaboration.

Follow-on activities planned? Yes _____ No X _____

If yes, please describe activity up to 2010 if available.

Follow-on activity planned by participants with counterparts within the United States.

Program Title Team 2- Development and Application of International Agricultural Information
Year 2003

Participating US Agencies - U.S. Department of Agriculture

Participating PRC Agencies – People’s Republic of China

Does project falls under the 1979 S&T Agreement with China? Yes X No _____

Brief Description of Activity:

The activity consists of a short-term exchange visit between the U.S. and China.

Objectives/Results of Activity:

This study tour is organized to learn the advanced US experience on global agricultural information collection, management, analyzing and dissemination, on the US organizational structure and management of information, and on the application of information technology and its advancement in global agricultural information and agricultural economic and trade services. The study team will also discuss possibilities of enhancing information cooperation and exchange with the USA in the future.

Transfer of technology or exchange of information? Yes X No _____

If yes, please describe technology or information that was transferred:

The activity consists of an exchange of information under a short-term exchange.

List Participants below (if more than 7 participants, please use attached name list sheet):

FENG Yulin, Deputy Director, China EU Center for Agricultural Technology
(CECAT), Ministry of Agriculture, MOA

Chen Lishui, Head of Division Department of Market and Economic
Information, MOA

WU Changxue, Department of International Cooperation, MOA

ZHANG Junping, Head of Division CECAT, MOA

HUANG Yuhong F, Senior Interpreter CECAT, MOA

XU Yunhuan, Foreign Economy Office (FEO), Department of Agriculture
(DOA), Zhejiang Province

XIANG Huaqing, FEO, DOA, Sichuan Province

Nationality: PRC

Contact Phone #: Tel: 8610-6419-2446

Visited the U.S.: Yes

Total Expenditure \$ 20,000

Results of Project:

Establish counterparts, exchanges information and data and look for areas of future collaboration.

Follow-on activities planned? Yes _____ No X

If yes, please describe activity up to 2010 if available.

Follow-on activity planned by participants with counterparts within the United States.

Program Title Team 3 – Quality Control of Agro-Products and Agricultural Sustainable Development
Year 2003

Participating US Agencies - U.S. Department of Agriculture

Participating PRC Agencies – People’s Republic of China

Does project falls under the 1979 S&T Agreement with China? Yes X No _____

Brief Description of Activity:

The activity consists of a short-term exchange visit between the U.S. and China.

Objectives/Results of Activity:

Policy, regulation and their implementation with regard to the food production, marketing and safety check;

R & D and technological extension on the agricultural ecological and environmental protection;

Legislation and Law enforcement on the Food Safety, including organizational structure and operational mechanism of food safety check;

General situation on the of organic food production and consumption, including government standpoint, society’s reaction towards the development of organic food.

Transfer of technology or exchange of information? Yes X No _____

If yes, please describe technology or information that was transferred:

The activity consists of an exchange of information under a short-term exchange.

List Participants below (if more than 7 participants, please use attached name list sheet):

Zhu Ming, President
The Chinese Academy of Agricultural Engineering

Xiao Yunlai, Director
The Institute of Planning and Consulting
The Chinese Academy of Agricultural Engineering

Yao Xiangjun, Director
The Institute of Rural Energy and Environmental
Protection, The Chinese Academy of Agricultural Engineering

Li Chunhui, Senior Engineer, The Institute of Planning and Consulting
The Chinese Academy of Agricultural Engineering

Wu Yazhen, Senior Engineer
The Center of Green Food Development of Shanghai City

Yan Zhinong, Deputy Director
The Center of Green Food Development of Sichuan Province

Nationality: PRC

Contact Phone #: Tel: 8610-6419-2446

Visited the U.S.: **Yes**

Total Expenditure \$ 20,000

Results of Project:

Establish counterparts, exchanges information and data and look for areas of future collaboration.

Follow-on activities planned? Yes _____ No X

If yes, please describe activity up to 2010 if available.

Follow-on activity planned by participants with counterparts within the United States.

Program Title Team 3- Integrated Management on Animal Diseases **Year** 2002
Participating US Agencies - U.S. Department of Agriculture

Participating PRC Agencies – People’s Republic of China

Does project falls under the 1979 S&T Agreement with China? Yes X No _____

Brief Description of Activity:

The activity consists of a short-term exchange visit between the U.S. and China.

Objectives/Results of Activity:

1. The quarantine technology and management for animal and animal products;
2. The diagnostic technology, procedure and management in the Lab for the vital animal diseases;
3. Establishment and management of the warning system for quick response to outbreak of the disease;
4. Formulation of the standard and trade confliction processing under the International Agreement for hygiene and quality safety of animal and animal products;
5. Assessment for the testing method for meat products of the China
6. Assessment for the implementation of the law and regulatory of China.

Transfer of technology or exchange of information? Yes X No _____

If yes, please describe technology or information that was transferred:

The activity consists of an exchange of information under a short-term exchange.

List Participants below (if more than 7 participants, please use attached name list sheet):

He Xintian, irector General
National Animal Husbandry and Veterinary Service
Ministry of Agriculture

Li Xiufeng, Division chief/ Senior veterinarian,
National Animal Husbandry and Veterinary Service

Liu Zhanjiang, Division chief
Department of Animal Husbandry and Health
Ministry of Agriculture

Liu Shuxia, Deputy division chief/interpreter
National Animal Husbandry and Veterinary Service

Yu Yong, Director, General Station for Animal Disease Prevention
Quarantine and supervision of Sichun Province

Dai Zhengrui, Deputy Chief
Bureau of Animal Husbandry and Food of Sichun Province

Nationality: PRC

Contact Phone #: Tel: 8610-6419-2446

Visited the U.S.: **Yes**

Total Expenditure \$18 ,000

Results of Project:

Establish counterparts, exchanges information and data and look for areas of future collaboration.

Follow-on activities planned? Yes _____ No X

If yes, please describe activity up to 2010 if available.

Follow-on activity planned by participants with counterparts within the United States.

Program Title Team 4 – Processing and Marketing Animal Products **Year** 2003

Participating US Agencies - U.S. Department of Agriculture

Participating PRC Agencies – People’s Republic of China

Does project falls under the 1979 S&T Agreement with China? Yes X No _____

Brief Description of Activity:

The activity consists of a short-term exchange visit between the U.S. and China.

Objectives/Results of Activity:

1. Understand management functions of livestock products processing and marketing within federal and state government and specific structure
2. Understand regulations and supporting policies governing livestock products processing and marketing
3. Understand means and measures by federal and state government on quality monitoring and management on livestock products processing and marketing
4. Understand livestock products processing and marketing system as well as channels of importing livestock products

Transfer of technology or exchange of information? Yes X No _____

If yes, please describe technology or information that was transferred:

The activity consists of an exchange of information under a short-term exchange.

List Participants below (if more than 7 participants, please use attached name list sheet):

Mr. Lu Yongjun, Deputy Director General, Bureau of Township Enterprises, Ministry of Agriculture, MOA

Mr. Qi Weikai, Division Chief, Bureau of Township Enterprises, MOA

Ms Xue Zhihong, Deputy Div Chief, Bureau of Township Enterprises, MOA

Mr. You Zhunlong, Deputy Div Chief, Hunan Provincial Dept. of Agriculture

Mr. Xiao Binnan, Director General, Institute of Livestock Production, Hunan Province

Ms Jia Yan, Interpreter, Center of International Cooperation, MOA

Nationality: PRC

Contact Phone #: Tel: 8610-6419-2446

Visited the U.S.: Yes

Total Expenditure \$ 20,000

Results of Project:

Establish counterparts, exchanges information and data and look for areas of future collaboration.

Follow-on activities planned? Yes _____ No X

If yes, please describe activity up to 2010 if available.

Follow-on activity planned by participants with counterparts within the United States.

Program Title Team 5 - Agricultural Marketing System Development Year 2003

Participating US Agencies - U.S. Department of Agriculture

Participating PRC Agencies – People’s Republic of China

Does project falls under the 1979 S&T Agreement with China? Yes X No _____

Brief Description of Activity:

The activity consists of a short-term exchange visit between the U.S. and China.

Objectives/Results of Activity:

To visit PanAmerican Seed and other farms and companies of flower, forage grass and vegetable to discuss the introduction of new variety and technology.

To visit a Chicago agricultural commodity transaction office.

Transfer of technology or exchange of information? Yes X No _____

If yes, please describe technology or information that was transferred:

The activity consists of an exchange of information under a short-term exchange.

List Participants below (if more than 7 participants, please use attached name list sheet):

Mr. Tang Dongsheng
Deputy Director General
Dalian Municipal Rural Economy Development Bureau

Mr. Gong Xiaochang
Chairman
Dalian Fengrong Enterprises Group

Mr. Hao Zhongfu
General Manager
Dalian Haixing Aquatic Foods Co. Ltd.

Mr. Liu Jinkai
General Manager
Dalian Kaifulong Food Co. Ltd.

Ms. Zhao Jun
General Manager
Dalian Dong-fang Agricultural Farm

Ms. Li Haiyan
Interpreter
Dalian Municipal Rural Economy Development Bureau

Nationality: PRC

Contact Phone #: Tel: 8610-6419-2446

Visited the U.S.: Yes

Total Expenditure \$ 20,000

Results of Project:

Establish counterparts, exchanges information and data and look for areas of future collaboration.

Follow-on activities planned? Yes _____ No X _____

If yes, please describe activity up to 2010 if available.

Follow-on activity planned by participants with counterparts within the United States.

Program Title Team 5- Agricultural Scale Production
Participating US Agencies - U.S. Department of Agriculture

Year 2002

Participating PRC Agencies – People’s Republic of China

Does project falls under the 1979 S&T Agreement with China? Yes X No _____

Brief Description of Activity:

The activity consists of a short-term exchange visit between the U.S. and China.

Objectives/Results of Activity:

Learn experiences from the U.S. counterparts and combine with the advantages of Anhui agriculture so as to promote the local agricultural development. Conduct exchanges with U.S. experts on the present situation and policies of agricultural intensification. Pay field study to farms, processing plants and markets. Seek for the possibilities of cooperation between Anhui and the United States.

Interested in Cropping Systems and Management, especially in crop of corn, alfalfa, pastures and their use in livestock and industry. Would like to visit greenhouses.

Transfer of technology or exchange of information? Yes X No _____

If yes, please describe technology or information that was transferred:

The activity consists of an exchange of information under a short-term exchange.

List Participants below (if more than 7 participants, please use attached name list sheet):

Mr. Gao Wanli, Director of Ningxia Agriculture and Animal Husbandry Department (AAHD)

Mr. Wang Hua, Director of Project Management, Office of Ningxia AAHD

Mr. Tang Xufeng, Manager of Project Management, Office of Ningxia AAHD

Mr. Li Deen, Monitoring Director of Ningxia Rural Credit Cooperative

Mrs. Yan Yulin, Official of Foreign Affair and Foreign Trade Department of Anhui Provincial Agriculture Committee

Mr. Wang Jianhua, Vice Director of Planning Department of Anhui Provincial Agriculture Committee

Mr. Liu Qiang, Official of Agriculture Industrialization Department of Anhui Provincial Agriculture Committee

Mr. Li Hongping Official of Project Management, Office of Ningxia AAHD

Nationality: PRC

Contact Phone #: Tel: 8610-6419-2446

Visited the U.S.: Yes

Total Expenditure \$18,000

Results of Project:

Establish counterparts, exchanges information and data and look for areas of future collaboration.

Follow-on activities planned? Yes _____ No X

If yes, please describe activity up to 2010 if available.

Follow-on activity planned by participants with counterparts within the United States.

Program Title Team 6- Development of Agricultural Service Systems Year 2003

Participating US Agencies - U.S. Department of Agriculture

Participating PRC Agencies – People’s Republic of China

Does project falls under the 1979 S&T Agreement with China? Yes X No _____

Brief Description of Activity:

The activity consists of a short-term exchange visit between the U.S. and China.

Objectives/Results of Activity:

In order to enhance the reform in agro-technology extension system of Hunan province, it is necessary to learn some advanced conceptions on agro-technology transferring from United States, whatever in terms of system construction and management, team building, functions distributions and extension methods. Objectives of our study tour mainly focus on: (1) Study extension experience and methods adopted in U.S., (2) Visit the practical operation process of agro-technology extension, in particular examples or models of extension combining research and education, (3) On-site study of management system of agro-technology extension in U.S., extension organizations, and trial or demonstration bases, (4) Understand situation of agricultural and rural development, especially development of agro-economy.

Transfer of technology or exchange of information? Yes X No _____

If yes, please describe technology or information that was transferred:

The activity consists of an exchange of information under a short-term exchange.

List Participants below (if more than 7 participants, please use attached name list sheet):

Mr. Zheng Ruoliang
Chief Director
Agro-tech Extension Station
Hunan Province

Mr. Cai Duncheng
Secretary
Qidong County Committee
Hunan Province

Mr. Luo Maiqin
Division Chief
Department of International Cooperation
Hunan Provincial Department of Agriculture

Ms. Du Chunzhi
Deputy Director
Agricultural Department of Zhangjiajie City
Hunan Province

Mr. He Qiuyuan
Senior Agronomist
Division of Grain & Oil
Hunan Provincial Department of Agriculture

Mr. Wei Zhenglin
Deputy Division Chief

Department of International Cooperation
Ministry of Agriculture

Nationality: PRC

Contact Phone #: Tel: 8610-6419-2446

Visited the U.S.: **Yes**

Total Expenditure \$ 20,000

Results of Project:

Establish counterparts, exchanges information and data and look for areas of future collaboration.

Follow-on activities planned? Yes _____ No X

If yes, please describe activity up to 2010 if available.

Follow-on activity planned by participants with counterparts within the United States.

Program Title Team 6- Development of Agricultural Service Systems Year 2003

Participating US Agencies - U.S. Department of Agriculture

Participating PRC Agencies – People’s Republic of China

Does project falls under the 1979 S&T Agreement with China? Yes X No _____

Brief Description of Activity:

The activity consists of a short-term exchange visit between the U.S. and China.

Objectives/Results of Activity:

In order to enhance the reform in agro-technology extension system of Hunan province, it is necessary to learn some advanced conceptions on agro-technology transferring from United States, whatever in terms of system construction and management, team building, functions distributions and extension methods. Objectives of our study tour mainly focus on: (1) Study extension experience and methods adopted in U.S., (2) Visit the practical operation process of agro-technology extension, in particular examples or models of extension combining research and education, (3) On-site study of management system of agro-technology extension in U.S., extension organizations, and trial or demonstration bases, (4) Understand situation of agricultural and rural development, especially development of agro-economy.

Transfer of technology or exchange of information? Yes X No _____

If yes, please describe technology or information that was transferred:

The activity consists of an exchange of information under a short-term exchange.

List Participants below (if more than 7 participants, please use attached name list sheet):

Mr. Zheng Ruoliang
Chief Director
Agro-tech Extension Station
Hunan Province

Mr. Cai Duncheng
Secretary
Qidong County Committee
Hunan Province

Mr. Luo Maiqin
Division Chief
Department of International Cooperation
Hunan Provincial Department of Agriculture

Ms. Du Chunzhi
Deputy Director
Agricultural Department of Zhangjiajie City
Hunan Province

Mr. He Qiuyuan
Senior Agronomist
Division of Grain & Oil
Hunan Provincial Department of Agriculture

Mr. Wei Zhenglin
Deputy Division Chief

Department of International Cooperation
Ministry of Agriculture

Nationality: PRC

Contact Phone #: Tel: 8610-6419-2446

Visited the U.S.: **Yes**

Total Expenditure \$ 20,000

Results of Project:

Establish counterparts, exchanges information and data and look for areas of future collaboration.

Follow-on activities planned? Yes _____ No X

If yes, please describe activity up to 2010 if available.

Follow-on activity planned by participants with counterparts within the United States.

Program Title Team 6- Fast Breeding by Biotechnology

Year 2002

Participating US Agencies - U.S. Department of Agriculture

Participating PRC Agencies – People’s Republic of China

Does project falls under the 1979 S&T Agreement with China? Yes X No _____

Brief Description of Activity:

The activity consists of a short-term exchange visit between the U.S. and China.

Objectives/Results of Activity:

The team would like to study American animal biotechnology, which includes embryo engineering of livestock, transgenic animals, animal stem cells and R&D approaches of animal biotechnology.

The purpose of this visit is to know more about the most recent approaches of American animal biotechnology. We would like to establish long term cooperative relationship with American scientists.

Transfer of technology or exchange of information? Yes X No _____

If yes, please describe technology or information that was transferred:

The activity consists of an exchange of information under a short-term exchange.

List Participants below (if more than 7 participants, please use attached name list sheet):

Mr. Li Changjian, Division Director, Department of Education, Science and Technology, Ministry of Agriculture, (MOA)

Mr. Guo Zhiqin, Professor, Xinjiang Academy of Animal Science

Mr. Liu Mingjun, Associate Professor (Interpreter), The Key Lab of Animal Biotechnology of MOA, Xinjiang Academy of Animal Science

Ms. Li Wenrong, Associate Professor, The Key Lab of Animal Biotechnology of MOA, Xinjiang Academy of Animal Science

Ms. Yang Mei, Senior Researcher, The Key Lab of Animal Biotechnology of MOA, Xinjiang Academy of Animal Science

Nationality: PRC

Contact Phone #: Tel: 8610-6419-2446

Visited the U.S.: Yes

Total Expenditure \$18,000

Results of Project:

Establish counterparts, exchanges information and data and look for areas of future collaboration.

Follow-on activities planned? Yes _____ No X _____

If yes, please describe activity up to 2010 if available.

Follow-on activity planned by participants with counterparts within the United States.

Program Title Team 7 – High-tech Application in Agricultural Production

Year 2003

Participating US Agencies - U.S. Department of Agriculture

Participating PRC Agencies – People’s Republic of China

Does project falls under the 1979 S&T Agreement with China? Yes X No _____

Brief Description of Activity:

The activity consists of a short-term exchange visit between the U.S. and China.

Objectives/Results of Activity:

Knowing actuality of America agricultural large-scale, government supporting system & correlative policy. Knowing import and export trade of agricultural products, especially formulated and implemented of agricultural criterion. Precision agriculture and agricultural information service.

Visiting agricultural products management enterprise or medium agents, knowing running mechanism of large-scale management, practice and experience of enhancing peasantry organized. Researching a agricultural products trade market, major in agricultural products price and trade.

Transfer of technology or exchange of information? Yes X No _____

If yes, please describe technology or information that was transferred:

The activity consists of an exchange of information under a short-term exchange.

List Participants below (if more than 7 participants, please use attached name list sheet):

Mr. Zhou Shiqi, Head of delegation
Agronomist General of Agriculture Commission of Anhui Province

Ms. Liu Hui, Deputy Director-General
Department of Agriculture and Livestock, Husbandry of Ningxia Autonomous Region

Ms. Han Ya, Vice-Director of Division of Foreign Affair
and Foreign Economic Cooperation, of Agriculture Commission of Anhui Province

Mr. Zhang Wei, Vice Director of Division
of science and education of Agriculture, Commission of Anhui Province

Mr. Nie Wanjian, Deputy Chief Executive
of Taihu County of Anhui Province

Mr. Lai Weili, Vice Director, Division of Planting
Department of Agriculture and Livestock Husbandry of Ningxia Autonomous Region

Mr. Huang Yuenan, Officer of Division of International Cooperation
Department of Agriculture, Hunan Province.

Mr. Li Zhenping, Principal Staff Member
Division of Foreign Affair and Foreign Economic Cooperation

Nationality: PRC

Contact Phone #: Tel: 8610-6419-2446

Visited the U.S.: **Yes**

Total Expenditure \$ 20,000

Results of Project:

Establish counterparts, exchanges information and data and look for areas of future collaboration.

Follow-on activities planned? Yes _____ No X

If yes, please describe activity up to 2010 if available.

Follow-on activity planned by participants with counterparts within the United States.

Program Title Team 7- Monitoring System on Fisheries Environment and Aqua
Product Safety Year 2002

Participating US Agencies - U.S. Department of Agriculture

Participating PRC Agencies – People’s Republic of China

Does project falls under the 1979 S&T Agreement with China? Yes X No _____

Brief Description of Activity:

The activity consists of a short-term exchange visit between the U.S. and China.

Objectives/Results of Activity:

Laws and regulations, system constitution on control of drug residue in animal products the related laws and regulations on market and culture farm management.

Monitoring system operation on the animal product drug residue.

Animal and fishery vaccine administration.

Technical staff’s supervision on culturing and processing of the aquatic products and the livestock products.

Monitoring, supervising and management operating model on medicine residue in animal product and the establishment of the standard.

The constitution of the laws and regulations on animal drug management, the organization and duty of the animal drug center, the evaluation and management model on animal drug, the development and management on new animal drug.

Sea water culturing program and management, the related laws and regulations.

Culturing water quality control, wastewater treatment, fishery environment monitoring and protection.

Transfer of technology or exchange of information? Yes X No _____

If yes, please describe technology or information that was transferred:

The activity consists of an exchange of information under a short-term exchange.

List Participants below (if more than 7 participants, please use attached name list sheet):

Mr. Li Xiaozheng, Director
Guangxi Fishery Environment Monitoring Center (Senior Engineer)

Ms. Xiong Fengming, Director, Foreign Corporation
Department of Agriculture Bureau of Hubei Province (Senior Engineer)

Mr. Zeng Hui, Vice Director, Freshwater Culture
Department of Guangxi Fishery Research Institute (Senior Engineer)

Ms. Chen Hong, Vice Director, Guangxi Animal Drug Supervisory Institute
Senior Veterinarian

Mr. Wang Guoli, Vice Director, Animal Husbandry General Station
Senior Engineer

Mr. Wan Xun., Section Chief, Foreign Corporation
Department of Agriculture, Bureau of Hubei Province (Senior Engineer)

Mr. Huang Zhen, Vice Director, Hubei Fishery Research Institute
Senior Engineer
Nationality: PRC

Contact Phone #: Tel: 8610-6419-2446

Visited the U.S.: **Yes**

Total Expenditure \$18,000

Results of Project:

Establish counterparts, exchanges information and data and look for areas of future collaboration.

Follow-on activities planned? Yes _____ No X

If yes, please describe activity up to 2010 if available.

Follow-on activity planned by participants with counterparts within the United States.

Program Title Team 8- Quality Control Supervision for Animal and Poultry for Food

Year 2003

Participating US Agencies - U.S. Department of Agriculture

Participating PRC Agencies – People’s Republic of China

Does project falls under the 1979 S&T Agreement with China? Yes X No _____

Brief Description of Activity:

The activity consists of a short-term exchange visit between the U.S. and China.

Objectives/Results of Activity:

To understand the legal system regarding quality control and inspection of animal products used by USDA. To understand the management system for animal products security and its operation patterns. To learn new techniques on testing and inspection of drug residue in animal sources products and its operation patterns. Evaluate and qualify pattern for research, development and use of animal drug.

Transfer of technology or exchange of information? Yes X No _____

If yes, please describe technology or information that was transferred:

The activity consists of an exchange of information under a short-term exchange.

List Participants below (if more than 7 participants, please use attached name list sheet):

Mr. Qixuan Xia, Division Director
Animal Husbandry Bureau
Anhui Agriculture Commission

Ms. Jianhua Deng, Deputy Chief, Sr. Veterinarian
Foreign Affairs Division
Guangxi Fisheries and Animal Husbandry Bureau

Mr. Guowen Lu, Deputy Director
Marketing Information Division
Anhui Animal Husbandry Bureau

Mr. Xiaoping Tao, Director
Anhui Animal Product Inspection Center

Ms. Yaoshan Pang, Associate Researcher
Poultry Disease Lab
Guangxi Veterinary Research Institute

Mr. Guoli Wang, Guangxi Animal Production Services
Interpreter

Nationality: PRC

Contact Phone #: Tel: 8610-6419-2446

Visited the U.S.: Yes

Total Expenditure \$ 20,000

Results of Project:

Establish counterparts, exchanges information and data and look for areas of future collaboration.

Follow-on activities planned? Yes _____ No X

If yes, please describe activity up to 2010 if available.

Follow-on activity planned by participants with counterparts within the United States.

Program Title Team 8- Production and Marketing of Organic Agricultural Products **Year** 2002

Participating US Agencies - U.S. Department of Agriculture

Participating PRC Agencies – People’s Republic of China

Does project falls under the 1979 S&T Agreement with China? Yes X No _____

Brief Description of Activity:

The activity consists of a short-term exchange visit between the U.S. and China.

Objectives/Results of Activity:

To understand the required conditions and process of USDA for accepting foreign certification institutions, discuss bilateral cooperation on certification with National Organic Program for the acceptance of China organic food certification by USNA.

The activity will enable us to understand implementation of organic agricultural standard and counterpating policies; organic agro-products standard, technical service, identification, and market access system.

To understand certification process, identification process, method of labeling, as well as the means of their management and monitoring under the new standard and regulations in the United States.

Transfer of technology or exchange of information? Yes X No _____

If yes, please describe technology or information that was transferred:

The activity consists of an exchange of information under a short-term exchange.

List Participants below (if more than 7 participants, please use attached name list sheet):

Han Peixin, Deputy Director, China Green Food Development Center

Guo Chumin, Director, Senior Engineer, China Huaxia Organic Food Certification Center

Wang Chenli, Deputy Director, Department of Agriculture, Guizhou Province

Zhao Xuanfu, Director, Bureau of Farm Management, Department of Agriculture, Guizhou Province

Yang Xingshou, Deputy Chief, Foreign Investment Office, Department of Agriculture, Yunnan Province

Jia Yan, Center of International Cooperation Service, MOA

Nationality: PRC

Contact Phone #: Tel: 8610-6419-2446

Visited the U.S.: Yes

Total Expenditure \$18,000

Results of Project:

Establish counterparts, exchanges information and data and look for areas of future collaboration.

Follow-on activities planned? Yes _____ No X

If yes, please describe activity up to 2010 if available.

Follow-on activity planned by participants with counterparts within the United States.

Program Title Team 9 – Agricultural Aviation Technologies
Participating US Agencies - U.S. Department of Agriculture

Year 2003

Participating PRC Agencies – People’s Republic of China

Does project falls under the 1979 S&T Agreement with China? Yes X No _____

Brief Description of Activity:

The activity consists of a short-term exchange visit between the U.S. and China.

Objectives/Results of Activity:

To visit USDA and the administrative departments of agricultural aviation, such as National Agricultural Aviation Association, and to understand the course and status of development of agricultural aviation and its general planning including the governmental supporting policies to airplane purchase, airport construction, fuel and airspace management, and the management system for agricultural aviation in the United States.

To visit about two airplane manufactures of agricultural aviation in USA, to understand the status of production and management, the technical level, functions, price and export of agricultural airplane.

Transfer of technology or exchange of information? Yes X No _____

If yes, please describe technology or information that was transferred:

The activity consists of an exchange of information under a short-term exchange.

List Participants below (if more than 7 participants, please use attached name list sheet):

Mr. Liu Min, Deputy Director-General of the Department of Agricultural Mechanization, Ministry of Agriculture

Mr. Chen Zhangquan, Deputy Director of the Department of Development and Planning, Ministry of Agriculture

Mr. Han Shansheng, Deputy Director of the Administrative Office of Agricultural Machinery in Shandong Province

Mr. Liu Zhiwei, Deputy Director-General of Bureau of Agricultural Machinery in Tianjin City

Mr. Wang Yong, Deputy Director-General of Bureau of Agricultural Machinery in Jiangsu Province

Mr. Wang Baochang, Deputy Director of Administrative Office of Agricultural Machinery, the Development Bureau of Rural Economy in Shenyang City

Mr. Zhang Hui, Deputy Director of the Department of Agricultural Mechanization, Ministry of Agriculture

Mr. Li Sihua, male, Deputy Director of the Department of Agricultural Mechanization, Ministry of Agriculture

Mr. Wang Weizhi, General Manager of General Airline Company of Agricultural Reclamation in Heilongjiang

Mr. Zhang Zhaofang, Stationmaster of Jinan Pingyin Service Station of Agricultural Aviation in Shandong Province,

Mr. Zhang Wanqi, Deputy Director of the Agricultural Committee of Tanggu District in Tianjin City

Mr. Lu Xingxin, Deputy Director of Bureau of Agricultural Machinery of Xuzhou in Jiangsu Province

Mr. Xu Chunjie, Manager of Service Station of Agricultural Aviation of Sujiatun District in Shenyang City

Nationality: PRC

Contact Phone #: Tel: 8610-6419-2446

Visited the U.S.: **Yes**

Total Expenditure \$ 20,000

Results of Project:

Establish counterparts, exchanges information and data and look for areas of future collaboration.

Follow-on activities planned? Yes _____ No X

If yes, please describe activity up to 2010 if available.

Follow-on activity planned by participants with counterparts within the United States.

Program Title Team 9- Pest Risk Analysis (PRA)

Year 2002

Participating US Agencies - U.S. Department of Agriculture

Participating PRC Agencies – People’s Republic of China

Does project falls under the 1979 S&T Agreement with China? Yes X No _____

Brief Description of Activity:

The activity consists of a short-term exchange visit between the U.S. and China.

Objectives/Results of Activity:

Exchange information on the breakout of pest and diseases; learn the native pest varieties in the United States and those that potentially menace to China’s forests, learn PRA methods and major control techniques in the United States; further improve the resistant capability to pests.

Transfer of technology or exchange of information? Yes X No _____

If yes, please describe technology or information that was transferred:

The activity consists of an exchange of information under a short-term exchange.

List Participants below (if more than 7 participants, please use attached name list sheet):

Ms. Wang Xiaohua, Team Leader, Division Director
Department of Afforestation, State Forestry Administration, Heilongjiang

Mr. Hu Xuebing, Division Director
General Station of Forest Insects and Disease Management, Fujian

Ms. Zhao Wenxia, Deputy Director
Research Institute of Forest Ecology, Environment and Protection
Professor and Interpreter, Hebei

Mr. Jiang Ping, Director of Zhejiang
Provincial Forest Insects and Disease Management Station, Zhejiang

Mr. Xue Zhennan, Director of Guangxi
Forest Insects and Disease Management Station, Guangxi

Mr. Lu Nan, Deputy Director of Yunnan
Province Forest Insects and Disease Management Station, Anhui

Nationality: PRC

Contact Phone #: Tel: 8610-6419-2446

Visited the U.S.: **Yes**

Total Expenditure \$18,000

Results of Project:

Establish counterparts, exchanges information and data and look for areas of future collaboration.

Follow-on activities planned? Yes _____ No X

If yes, please describe activity up to 2010 if available.

Follow-on activity planned by participants with counterparts within the United States.

Program Title Team 10- Water Management in Irrigated Area and Automation Technology **Year** 2002

Participating US Agencies - U.S. Department of Agriculture

Participating PRC Agencies – People’s Republic of China

Does project falls under the 1979 S&T Agreement with China? Yes X No _____

Brief Description of Activity:

The activity consists of a short-term exchange visit between the U.S. and China.

Objectives/Results of Activity:

Management system of agricultural irrigation water?

Rehabilitation system of old irrigation scheme, as follows:

- Composition of rehabilitation planning;
- Relative law, standard, criterion, guideline, manual for rehabilitation work;
- Administration and supervision of rehabilitation project process;
- Evaluation of rehabilitation project;
- Management and operation of irrigation scheme

Irrigation water management technology in irrigation district, including gravity irrigation and pumping irrigation, such as:

- Water flow-rate measurement technology in open canal and pipelines;
- Date collection, transfer and process technology, including wireless and wire system;
- Automatic control technology of pump and canal gate;
- On farm irrigation system, such as surface irrigation, land leveling, surge irrigation, irrigation machine;
- Software for making irrigation planning;
- Anti freezing technology of canal in cold area

Transfer of technology or exchange of information? Yes X No _____

If yes, please describe technology or information that was transferred:

The activity consists of an exchange of information under a short-term exchange.

List Participants below (if more than 7 participants, please use attached name list sheet):

Mr. Gu Yuping, Deputy Director
National Center of Irrigation and Drainage
Ministry of Water Resources

Mr. Lu Wenhong, Irrigation Engineer
National Center of Irrigation and Drainage
Ministry of Water Resources

Mr. Dong Fuping, Deputy Division Chief
Bureau of Water Resources, Zhejiang Province

Mr. Zhang Xiaohua, Deputy General Engineer

Hydraulology Institute of Zhejiang Province

Mr. Zeng Yaoyuan, Deputy Director
Bureau of Irrigation of Sichuan Province

Mr. Jing Wanlin, Deputy Division Chief
Bureau of Water Resources of Henan Province

Nationality: PRC

Contact Phone #: Tel: 8610-6419-2446

Visited the U.S.: **Yes**

Total Expenditure \$18,000

Results of Project:

Establish counterparts, exchanges information and data and look for areas of future collaboration.

Follow-on activities planned? Yes _____ No X

If yes, please describe activity up to 2010 if available.

Follow-on activity planned by participants with counterparts within the United States.

Program Title China Watershed Project

Year(s) 2002,2003

Participating US Agencies USDA, USDA/NRCS, USDA Forest Service

Participating PRC Agencies Ministry of Water Resources

Does project falls under the 1979 S&T Agreement with China? Yes X No

Brief Description of Activity: USDA hosted a team of technicians from China's Ministry of Water Resources (MWR) to better understand U.S. Watershed Management. Both delegations met with Watershed specialists in Washington, DC and Nebraska and EPA officials in Cincinnati.

Objectives/Results of Activity

Study teams met with USDA officials and studied Watershed management techniques.

Transfer of technology? Yes _____ No X

If yes, please describe technology that was transferred

List Participants below(if more than 7 participants, please use attached name list sheet):

Name	Title	Nationality	Contact Phone#	Date of Exchange
1. Mr. Zhang Xuejian	Deputy General, MWR	PRC	861063202706	7/2002
2. Mr. Guo Suoyan	Director, MWR	PRC	861063202706	7/2002
3. Mr. Lu Shengli	Deputy Director, MWR	PRC	861063202706	7/2002
4. Mr. Dong Yanfei	Staff Official, MWR	PRC	861063202706	7/2002
5. Mr. Ding Xianfu	Director, Water Resources Bureau of Henan-	PRC	861064966364	7/2002
6. Mr. Xue Shimin	Director, Water Resources Bureau of Zhengzhou-	PRC	861064966364	7/2002
7. Mr. Lao Daquan,	Deputy Director, Water Resources Bureau of Guangxi -	PRC	861064966364	7/2002

see attached page for more participants

Total Expenditure \$50,000

Follow-on activities planned? Yes X No

If yes, please describe activity up to 2010 if available: Team related to this subject will visit in 2004, participants have not been determined yet.

List Additional Participants below:

Name	Title	Nationality	Contact Phone#	Date of Exchange
<u>8. Mr. Xiao Zhenrong, Chief Engineer of Guilin Water & Electricity Bureau- PRC</u>			<u>861064966364</u>	<u>7/2002</u>
<u>9. Mr. Wang Xijun, Director-General, MWR</u>		<u>PRC</u>	<u>861063202706</u>	<u>8/2003</u>
<u>10. Mr. Pu Chaoyong, Deputy Director, MWR</u>		<u>PRC</u>	<u>861063202706</u>	<u>8/2003</u>
<u>11. Mr. Xu Feng, Senior Engineer, MWR</u>		<u>PRC</u>	<u>861063202706</u>	<u>8/2003</u>
<u>12. Mr. Zhong Yong, Deputy Director, MWR</u>		<u>PRC</u>	<u>861063202706</u>	<u>8/2003</u>
<u>International Center for Research and Training of Sea Buckthorn</u>				
<u>13. Ms. Wang Xu, Engineer, China Center of Irrigation - PRC-</u>			<u>861063202706</u>	<u>8/2003</u>
<u>and Drainage Development</u>				
<u>14. Mr. Li Lingjiang, Director, Zhengzhou Mangshan</u>		<u>PRC</u>	<u>861063202706</u>	<u>8/2003</u>
<u>Mountain Water and Soil Conservancy Project Office</u>				
<u>15. Mr. Zhang Chongqing, Director, Chongqing</u>		<u>PRC</u>	<u>861063202706</u>	<u>8/2003</u>
<u>Municipal Water Resources Bureau</u>				
<u>16. Mr. Shi Gengshen, Assistant Counsel, Shangdong</u>		<u>PRC</u>	<u>861063202706</u>	<u>8/2003</u>
<u>Provincial Department of Water Conservancy</u>				
<u>17. Mr. Shang Jucheng, Assistant Supervisor, Environment PRC</u>			<u>861063202706</u>	<u>8/2003</u>
<u>and Resources Commission of the National People's Congress</u>				

Program Title U.S. – China Cooperation in Center of Agricultural Excellence (CUACE) Year 2002/3

Participating US Agencies USDA

Participating PRC Agencies Chinese Academy of Agricultural Sciences

Does project falls under the 1979 S&T Agreement with China? Yes X No _____

Brief Description of Activity: U.S. Specialists traveled to China to meet with Chinese scientists to discuss composting methods. USDA also funded expense for model composting farm and involved scientists outside Beijing.

Objectives/Results of Activity: To research improved composting methods for use in agricultural farm waste and discuss other areas of environmental agriculture methods. CUACE serves as a center for collaborative research that is directly applicable to environmental protection activities in the United States, China and world (Benjamin Petlock 720-9207)

Transfer of technology? Yes _____ No X _____

If yes, please describe technology that was transferred:

List Participants below(if more than 7 participants, please use attached name list sheet):

U.S. Participants

List Participants below(if more than 7 participants, please use attached name list sheet):

Name	Title	Nationality	Contact Phone#	Date of Exchange
<u>1) Mr. Brian Guse</u>	<u>International Affairs Specialist</u>	<u>US</u>	<u>(202) 690-4872</u>	<u>11/2002</u>
<u>2) Dr. David Brubaker, Project Director,</u>		<u>US</u>	<u>(410) 223-1722</u>	<u>11/2002, 2/2003</u>
<u>3) Dr. Lou Carr, Agricultural Engineer</u>		<u>US</u>	<u>(410) 742-1178</u>	<u>11/2002, 2/2003</u>

Total Expenditure \$75,000

Results of Project: Unknown

Follow-on activities planned? Yes X No _____

If yes, please describe activity up to 2010 if available. Center will continue to hold meetings between U.S. and Chinese specialists in January 2004. Center will also apply for funding from Green Beijing Project for the 2008 Olympics.

Program Title Sustainable Agriculture Video Year(s) 2002

Participating US Agencies USDA

Participating PRC Agencies Global Village of Beijing

Does project falls under the 1979 S&T Agreement with China? Yes X No _____

Brief Description of Activity: Designed by Chinese GVB for the 900 million small farmers in China, this ten segment video series highlights US small-scale farms adopting environmentally- innovative agricultural techniques. These segments have the potential to be used for technical training on subjects such as soil and water conservation to educational awareness material on food security and biotechnology.

Objectives/Results of Activity The video series project was begun in FY2000. Over a period of 10 months, the FAS/ICD and GVB film crew visited sites in California, Arizona, Oregon, Iowa, Nebraska, Pennsylvania, Maryland, Virginia and the District of Columbia interviewing experts on issues of small-scale sustainable agriculture practices in the United States. This project was premiered in 2002 and is now complete. After approved by USDA, the series was broadcast on Chinese Central Television (CCTV) to **an estimated audience of 220 million people.**

Transfer of technology or exchange of information? Yes X No _____

If yes, please describe technology or information that was transferred

220 million Chinese citizens will be exposed to information about American practices in sustainable agriculture and resource management.

List Participants below(if more than 7 participants, please use attached name list sheet):

Name	Title	Nationality	Contact Phone#	Date of Exchange
1. Carol Kramer-LeBlanc, Division Director		USA	(202) 690-4872	5/2002
2 Richard Affleck	Program Leader, USDA	USA	(202) 720-2589	5/2002
3. Melissa Clarkson	Int. Affairs Specialist, USDA	USA	(202) 690-4872	5/2002
4. Andrew Brubaker	Int. Affairs Specialist, USDA	USA	(202) 690-4872	5/2002
Total Expenditure	\$100,000			

Follow-on activities planned? Yes _____ No X

Program Title: Watershed Monitoring Project in China **Year(s)** 2002,2003

Participating US Agencies USDA/EPA

Participating PRC Agencies Ministry of Water Resources, Provincial Level Ministry of Water Resources

Does project falls under the 1979 S&T Agreement with China? Yes X No

Brief Description of Activity: To further the established cooperative research efforts and implement various aspects of water, wastewater, and watershed management by focusing on innovative U.S. water and wastewater treatment technologies and real-time water quality monitoring, data collection, and treatment system management.

Objectives/Results of Activity: To set up several demonstration monitoring sites along specific water areas in China. Agencies also met in a Beijing workshop in November 2003 to discuss Soil and Water conservation practices

Transfer of technology? Yes X No

If yes, please describe technology that was transferred: Two monitoring sites have been established: in Zhengzhou and in Wuxi for a Surface Water Remote Monitoring Sites. Both sites feature systems to which employ various water quality/quantity multi-probe sensors, biosensors, and weather instruments utilizing solar power.

List Participants below(if more than 7 participants, please use attached name list sheet):

Name	Title	Nationality	Contact Phone#	Date of Exchange
1. <u>Sylvana Li</u>	<u>Int. Affairs Specialist</u>	<u>USA</u>	<u>(202) 690-2868</u>	<u>1/2002, 9/2002, 10/2002, 9/2003, 1/2003</u>
2. <u>Benjamin Petlock</u>	<u>Int. Affairs Specialist</u>	<u>USA</u>	<u>(202) 720-9207</u>	<u>10/2002, 11/2003</u>
3. <u>Carol Kramer-LeBlanc</u>	<u>Division Director</u>	<u>USA</u>	<u>(202) 690-4872</u>	<u>11/2003</u>
4. <u>Dr. Greg Ruark</u>	<u>Director</u>	<u>USA</u>	<u>(402) 437-5178</u>	<u>9/2003, 11/2003</u>
5. <u>Dr. Mike Dosskey</u>	<u>Research Riparian Ecologist</u>	<u>USA</u>	<u>(402) 437-5178</u>	<u>11/2003</u>
6. <u>Mr. Gary Wells</u>	<u>Landscape Architect</u>	<u>USA</u>	<u>(402) 437-5178</u>	<u>11/2003</u>
7. <u>Dr. Lee Mulkey</u>	<u>Director</u>	<u>USA</u>	<u>(513) 569-7920</u>	<u>11/2003</u>

Total Expenditure \$100,000

Follow-on activities planned? Yes X No

If yes, please describe activity up to 2010 if available.

Future collaboration on additional sites along the Yellow River in China are currently being discussed.